

INTERNATIONAL SEARCH REPORT

International Application No

PCT/EP2004/012856

A. CLASSIFICATION OF SUBJECT MATTER

IPC 7 C08B30/12 C08B30/16 C08B31/00 C08B30/18 B01J8/10
B01J8/24

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

IPC 7 C08B B01J

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

EPO-Internal, WPI Data, PAJ

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	US 4 021 927 A (IDASZAK LEO R) 10 May 1977 (1977-05-10) column 3, line 3 – column 4, line 26 column 6, line 46 – column 8, line 41 column 9, lines 1-48; claims; figures; examples -----	1-19
X	EP 1 281 721 A (NAT STARCH CHEM INVEST) 5 February 2003 (2003-02-05) paragraph ‘0009! – paragraph ‘0020!; claims; examples -----	1-19
A	US 3 360 866 A (TAKASHI SHIRAI) 2 January 1968 (1968-01-02) column 1, lines 11-18 column 2, line 16 – column 3, line 26; claims; figures; examples -----	1-19
	-/-	

Further documents are listed in the continuation of box C.

Patent family members are listed in annex.

* Special categories of cited documents:

- *A* document defining the general state of the art which is not considered to be of particular relevance
- *E* earlier document but published on or after the international filing date
- *L* document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)
- *O* document referring to an oral disclosure, use, exhibition or other means
- *P* document published prior to the international filing date but later than the priority date claimed

- *T* later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention
- *X* document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone
- *Y* document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art.
- *&* document member of the same patent family

Date of the actual completion of the international search

3 February 2005

Date of mailing of the international search report

10/02/2005

Name and mailing address of the ISA

European Patent Office, P.B. 5818 Patentlaan 2
NL – 2280 HV Rijswijk
Tel. (+31-70) 340-2040, Tx. 31 651 epo nl,
Fax: (+31-70) 340-3016

Authorized officer

Otegui Rebollo, J

INTERNATIONAL SEARCH REPORT

International Application No
PCT/EP2004/012856

C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT

Category	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	GB 853 828 A (STALEY MFG CO A E) 9 November 1960 (1960-11-09) page 1, line 87 - page 2, line 105 page 6, lines 22-51, 97-119; claims -----	1-19
A	NL 9 302 094 A (AVEBE COOP VERKOOP PROD) 3 July 1995 (1995-07-03) page 6, line 17 - page 9, line 16; claims; figure -----	1-19

INTERNATIONAL SEARCH REPORT

Information on patent family members

International Application No

PCT/EP2004/012856

Patent document cited in search report		Publication date	Patent family member(s)	Publication date
US 4021927	A	10-05-1977	US 3967975 A AR 218215 A1 BR 7507801 A CA 1069275 A1 CH 620839 A5 DE 2552881 A1 DK 528375 A ,B ES 443132 A1 FR 2291788 A1 IT 1054911 B JP 1245138 C JP 51077579 A JP 59003200 B NL 7513763 A ,B, SE 416023 B SE 7513173 A TR 19134 A AR 208418 A1 AT 369667 B AT 896575 A AT 369288 B AT 896675 A AU 8691975 A AU 8693875 A BE 835887 A1 BE 835888 A1 BR 7507802 A CA 1069277 A1 CH 613874 A5 DE 2552891 A1 DK 528275 A ,B ES 442913 A1 FI 753304 A ,B, FR 2291787 A1 GB 1498206 A GB 1482869 A HU 171560 B HU 173973 B IT 1049867 B JP 51076169 A NL 7513765 A SE 408020 B SE 7513172 A YU 298775 A1 ZA 7507357 A	06-07-1976 30-05-1980 10-08-1976 08-01-1980 31-12-1980 02-06-1977 26-05-1976 16-09-1977 18-06-1976 30-11-1981 25-12-1984 05-07-1976 23-01-1984 28-05-1976 24-11-1980 26-05-1976 01-06-1978 27-12-1976 25-01-1983 15-06-1982 27-12-1982 15-05-1982 02-06-1977 02-06-1977 25-05-1976 25-05-1976 10-08-1976 08-01-1980 31-10-1979 26-05-1976 26-05-1976 01-04-1977 26-05-1976 18-06-1976 18-01-1978 17-08-1977 28-02-1978 28-10-1979 10-02-1981 01-07-1976 28-05-1976 14-05-1979 26-05-1976 18-06-1982 24-11-1976
EP 1281721	A	05-02-2003	US 2003031775 A1 BR 0203047 A CN 1405186 A EP 1281721 A1 JP 2003128701 A	13-02-2003 27-05-2003 26-03-2003 05-02-2003 08-05-2003
US 3360866	A	02-01-1968	JP 48018178 B	04-06-1973
GB 853828	A	09-11-1960	BE 569832 A FR 1209303 A	01-03-1960
NL 9302094	A	03-07-1995	NONE	